MEASURING THE SUSTAINABILITY OF TOURISM

UNWTO Organization Regional Workshop on Measuring Tourism in Asia and the Pacific, Nepal
Measuring the Sustainability of Tourism in the Philippines (2019-2021)

1. Introduction

2. Data and Data Sources

3. Results of 2021 MST

4. Ways Forward
2021 PHILIPPINE TOURISM SATELLITE ACCOUNTS RESULT

Tourism contributed 5.2% to the Philippine Economy in 2021.

- Tourism was valued at PhP 1.0 trillion in 2021, grew by 10.2% from 2020.
- Inbound tourism expenditure contributed 0.6% to the total exports in 2021.
- Employment in tourism industries shared 11.1% to the total employment in 2021.
MANILA CALL FOR ACTION ON MEASURING SUSTAINABLE TOURISM

It “represents a global commitment to sustainable tourism and the need to measure it through a consistent statistical approach, recognizing that effective sustainable tourism policies require an integrated, coherent and robust information base.”
SOME INITIATIVES IN THE PHILIPPINES

- Manila Call for Action on Measuring Sustainable Tourism, 6th UNWTO International Conference on Tourism Statistics
  - Jun 2017

- Compilation of tourism carbon dioxide emission
  - Training on TSA and MST
  - Dec 2017

- Philippine experience on MST for UNWTO
  - Publication

- Web release of the preliminary 2012 to 2020 estimates on Water and Energy Consumption, and Carbon Dioxide Emission of the Philippines
  - Jul, 2021

- Web release of the preliminary 2021 estimates on Water and Energy Consumption, and Carbon Dioxide Emission of the Philippines
  - Jul, 2022

- Presentation of the experimental estimates on MST – energy and water use of tourism industries during the meeting on Sustainable Tourism of Philippine Statistics Authority (PSA) and Department of Tourism (DOT)
  - 2018

- Presentation of Measuring Sustainability of Tourism to Inter-agency Committee on Tourism Statistics
  - 2019

- Presentation during the 14th National Convention on Statistics 2021

- 2021 United Nations’ Statistical Commission (UNSC) Side Event
  - Mar 2021

- UNWTO Asia-Pacific Workshop on Measuring the Sustainability of Tourism — Part 2 (Manila, Philippines - Online)
  - Jul, 2022
MST STATISTICAL FRAMEWORK (SF-MST)

- An update on the development of the SF-MST was presented to the March 2021 United Nations Statistical Commission (UNSC) meeting.

- A revised draft will be circulated for global consultation throughout 2022 with a view for final endorsement by UNSC.
Experiences from Pilot Studies in Measuring the Sustainability of Tourism – A Synopsis for Policy Makers

Measuring the Sustainability of Tourism in the Philippines (2019-2021)
KEY TAKEAWAYS: UNWTO ASIA-PACIFIC WORKSHOP ON MEASURING THE SUSTAINABILITY OF TOURISM Part 2 (29 March 2022)

Ensure that the accounts being compiled are consulted with stakeholders.

Consider going down to a smaller scale to ensure what’s relevant at the subnational level.

It is difficult to define sustainability for a specific country, and so is setting sustainability targets/thresholds. However, MST when compiled will give you an idea of sustainability.

Sustainability targets should be determined by policymakers.
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Measuring the Sustainability of Tourism in the Philippines (2019-2021)
DATA AND DATA SOURCES

Philippine Statistics Authority

Philippine Tourism Satellite Accounts (PTSA)

A. Tourism Expenditures
   1. Inbound Tourism
   2. Domestic Tourism
   3. Internal Tourism

Five (5) Tourism Products
   a. Accommodation services for visitors
   b. Food and beverage serving services
   c. Transport services
   d. Travel agencies and other reservation services
   e. Entertainment and recreation services
DATA AND DATA SOURCES

Philippine Statistics Authority

2018 Supply and Use Technical Coefficient

(36) Coke and refined petroleum products
(49) Electricity
(51) Water Supply

Industries:
- (62) Accommodation
- (63) Food and beverage service activities
- (57) Land Transport
- (58) Water Transport
- (59) Air Transport
- (72) Professional, Scientific and Technical Activities; Administrative and Support Service Activities
- (79) Arts, Entertainment and Recreation
DATA AND DATA SOURCES

Philippine Statistics Authority

National Accounts of the Philippines

1. Gross Output (GO) in Manufacturing, Levels at current prices
   - Manufacture of coke and refined petroleum products

2. Gross Output (GO) in Electricity, Steam, Water and Waste Management, Levels at current prices
   - Electricity
   - Water supply

Department of Energy

Petroleum Prices
Electricity Prices by electricity companies
Power Statistics
Units of Measurement and Conversion Table (as of 20 December 2017)
DATA AND DATA SOURCES

Manila Electric Company (MERALCO)
Average Retail Rate of Electricity

Local Water Utilities Administration (LWUA)
Philippine Water Districts Average Yearly Water Rates

Manila Water Company, Inc. (MWCI) &
Maynilad Water Services, Inc. (MWSI)
Water Production and Billing Statistics
DATA AND DATA SOURCES

Other data source:

United States Environmental Protection Agency (US EPA)

Greenhouse Gases Equivalencies Calculator – Calculations and References
WATER CONSUMPTION, 2012-2021

in million cubic meter (m³)
WATER CONSUMPTION, 2021

in percent

- Accommodation services for visitors: 79.6%
- Food and beverage serving services: 12.3%
- Transport Services: 3.3%
- Travel agencies and other reservation services: 1.3%
- Entertainment and recreation services: 3.5%
ENERGY CONSUMPTION*, 2012-2021
in Kilotonnes of Oil Equivalent (KTOE)
ENERGY CONSUMPTION*, 2021

in percent

- Accommodation services for visitors 44.6%
- Food and beverage serving services 6.7%
- Transport Services 24.7%
- Travel agencies and other reservation services 16.9%
- Entertainment and recreation services 7.1%
WATER CONSUMPTION, 2021

- Inbound Tourism: 5.8%
- Domestic Tourism: 94.2%

ENERGY CONSUMPTION*, 2021

- Inbound Tourism: 6.2%
- Domestic Tourism: 93.8%
CARBON DIOXIDE (CO₂) EMISSIONS*, 2012-2021

in Gigagrams (Gg) CO₂

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WAYS FORWARD

- Explore additional tourism sustainability indicators:
  - Land-use/ Land-based Pollution
  - Solid Waster
- Release of 2022 MST Estimates (21 September 2023)
- Continuous advocacy to stakeholders to popularize the MST
MARAMING SALAMAT AT MABUHAY!